BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to roads and drain at Jakkur and Jakkur Extension Surrounding area in ward No.08 Jakkur

PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 01		Removing and refixing stone slabs of drains and pointing in CM (1:3) (Data Rate)									
Measurements Taken On :											
		Govt School Road									
		LHS									
3.1	12.2		Sqm	1	9.10	1.35	1.35	1.35		12.29	
18.2	27.6		Sqm	1	9.40	1.35	1.35	1.35		12.69	
34.6	43.7		Sqm	1	9.10	1.35	1.35	1.35		12.29	
47.6	58.6		Sqm	1	11.00	1.35	1.35	1.35		14.85	
61	74		Sqm	1	13.00	1.35	1.35	1.35		17.55	
77	84.5		Sqm	1	7.50	1.35	1.35	1.35		10.13	
		MCECHS layout Cross Road									
3.7	14		Sqm	1	10.30	1.35	1.35	1.35		13.91	
17.2	28.9		Sqm	1	11.70	1.35	1.35	1.35		15.80	
32.4	43		Sqm	1	10.60	1.35	1.35	1.35		14.31	
48	58		Sqm	1	10.00	1.35	1.35	1.35		13.50	
62.6	73.3		Sqm	1	10.70	1.35	1.35	1.35		14.45	
78	88		Sqm	1	10.00	1.35	1.35	1.35		13.50	
93	100		Sqm	1	7.00	1.35	1.35	1.35		9.45	
									TOTAL	174.72	

Contractor

16/3/23

Assistant Engineer

Assistant Executive Engineer

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 02		Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.									
Measurements Taken On :											
		Govt School Road									
		LHS									
0	15		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
15	30		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
30	45		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
45	60		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
60	75		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
75	84.5		Cum	1	9.50	0.45	0.45	0.45	0.45	1.92	
		MCECHS layout									
		Cross Road									
0	15		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
15	30		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
30	45		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
45	60		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
60	75		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
75	90		Cum	1	15.00	0.45	0.45	0.45	0.45	3.04	
90	100		Cum	1	10.00	0.45	0.45	0.45	0.45	2.03	
									TOTAL	37.39	

Contractor

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

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PREMEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 04		Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth.									
Measurements Taken On :											
		Jakkuru									
		Govt School Beside Road									
0	30		Cum	1	30.00	1.40	1.40	1.40	0.23	9.66	
30	60		Cum	1	30.00	1.40	1.40	1.40	0.23	9.66	
60	90		Cum	1	30.00	1.40	1.40	1.40	0.23	9.66	
90	104.8		Cum	1	14.80	1.40	1.40	1.40	0.23	4.77	
		For CC road									
		Jakkuru									
		Under Pass Road									
0	15		Cum	1	15.00	6.80	9.70	8.25	0.30	37.13	
15	30		Cum	1	15.00	9.70	9.30	9.50	0.30	42.75	
30	45		Cum	1	15.00	9.30	8.90	9.10	0.30	40.95	
45	53.1		Cum	1	8.10	8.90	11.70	10.30	0.30	25.03	
53.1	63.7		Cum	1	10.60	8.20	8.20	8.20	0.30	26.08	
		Jakkuru Smasana									
			Cum	1	8.10	9.15	9.15	9.15	0.30	22.23	
			Cum	1	11.70	9.00	9.00	9.00	0.30	31.59	
			Cum	1	8.20	10.40	10.40	10.40	0.30	25.58	
			Cum	1	4.00	3.40	3.40	3.40	0.30	4.08	
		Srirampura									
		Govt School opp Cross Road									
0	6.1		Cum	1	6.10	10.50	10.50	10.50	0.30	19.22	
0	15		Cum	1	15.00	5.80	5.10	5.45	0.30	24.53	
15	30		Cum	1	15.00	5.10	4.50	4.80	0.30	21.60	
30	45		Cum	1	15.00	4.50	4.60	4.55	0.30	20.48	
45	57.8		Cum	1	12.80	4.60	4.70	4.65	0.30	17.86	
57.8	64		Cum	1	6.20	3.00	2.30	2.65	0.30	4.93	
		Deduction									
		Column	Cum	-1	1.20	1.20	1.20	1.20	0.30	-0.43	
		water tank	Cum	-1	2.20	2.20	2.20	2.20	0.30	-1.45	
									TOTAL	395.91	

Contractor

Assistant Engineer

Assistant Executive Engineer

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 05		Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead MORTH Specification									
Measurements Taken On :											
		Govt School Road									
7.5	37.5		Sqm	1	30.00	6.30	6.50	6.40		192.00	
37.5	67.5		Sqm	1	30.00	6.50	5.80	6.15		184.50	
67.5	97.5		Sqm	1	30.00	5.80	6.30	6.05		181.50	
97.5	127.5		Sqm	1	30.00	6.30	6.20	6.25		187.50	
128	148.9		Sqm	1	21.40	6.20	4.70	5.45		116.63	
									TOTAL	862.13	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

Contractor

14/3/23
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 06		Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density									
Measurements Taken On :											
		Jakkuru									
		Govt School Beside Road									
0	30		Cum	1	30.00	1.40	1.40	1.40	0.23	9.66	
30	60		Cum	1	30.00	1.40	1.40	1.40	0.23	9.66	
60	90		Cum	1	30.00	1.40	1.40	1.40	0.23	9.66	
90	104.8		Cum	1	14.80	1.40	1.40	1.40	0.23	4.77	
		Govt School Road									
7.5	37.5		Cum	1	30.00	6.30	6.50	6.40	0.23	44.16	
37.5	67.5		Cum	1	30.00	6.50	5.80	6.15	0.23	42.44	
67.5	97.5		Cum	1	30.00	5.80	6.30	6.05	0.23	41.75	
97.5	127.5		Cum	1	30.00	6.30	6.20	6.25	0.23	43.13	
128	148.9		Cum	1	21.40	6.20	4.70	5.45	0.23	26.82	
									TOTAL	232.05	

Contractor

Assistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 07		Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification									
Measurements Taken On :											
		Jakkuru									
		Govt School Beside Road									
0	30		Sqm	1	30.00	1.40	1.40	1.40		42.00	
30	60		Sqm	1	30.00	1.40	1.40	1.40		42.00	
60	90		Sqm	1	30.00	1.40	1.40	1.40		42.00	
90	104.8		Sqm	1	14.80	1.40	1.40	1.40		20.72	
		Govt School Road									
7.5	37.5		Sqm	1	30.00	6.30	6.50	6.40		192.00	
37.5	67.5		Sqm	1	30.00	6.50	5.80	6.15		184.50	
67.5	97.5		Sqm	1	30.00	5.80	6.30	6.05		181.50	
97.5	127.5		Sqm	1	30.00	6.30	6.20	6.25		187.50	
128	148.9		Sqm	1	21.40	6.20	4.70	5.45		116.63	
									TOTAL	1008.85	

Contractor

28/3/23

Assistant Engineer

Assistant Executive Engineer

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PREMEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 08		Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification									
Measurements Taken On :											
		Jakkuru									
		Govt School Beside Road									
0	30		Cum	1	30.00	1.40	1.40	1.40	0.05	2.10	
30	60		Cum	1	30.00	1.40	1.40	1.40	0.05	2.10	
60	90		Cum	1	30.00	1.40	1.40	1.40	0.05	2.10	
90	104.8		Cum	1	14.80	1.40	1.40	1.40	0.05	1.04	
		Govt School Road									
7.5	37.5		Cum	1	30.00	6.30	6.50	6.40	0.05	9.60	
37.5	67.5		Cum	1	30.00	6.50	5.80	6.15	0.05	9.23	
67.5	97.5		Cum	1	30.00	5.80	6.30	6.05	0.05	9.08	
97.5	127.5		Cum	1	30.00	6.30	6.20	6.25	0.05	9.38	
128	148.9		Cum	1	21.40	6.20	4.70	5.45	0.05	5.83	
									TOTAL	50.46	

Contractor

28/3/23

Assistant Engineer

ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 09		Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom MORTH Specification									
Measurements Taken On :											
		Jakkuru									
		Govt School Beside Road									
0	30		Sqm	1	30.00	5.80	5.40	5.60		168.00	
30	60		Sqm	1	30.00	5.40	5.10	5.25		157.50	
60	90		Sqm	1	30.00	5.10	5.30	5.20		156.00	
90	104.8		Sqm	1	14.80	5.30	8.10	6.70		99.16	
		Govt School Road									
0	7.5		Sqm	1	7.50	5.00	5.00	5.00		37.50	
7.5	37.5		Sqm	1	30.00	6.30	6.50	6.40		192.00	
37.5	67.5		Sqm	1	30.00	6.50	5.80	6.15		184.50	
67.5	97.5		Sqm	1	30.00	5.80	6.30	6.05		181.50	
97.5	127.5		Sqm	1	30.00	6.30	6.20	6.25		187.50	
128	157.5		Sqm	1	30.00	6.20	4.70	5.45		163.50	
158	187.5		Sqm	1	30.00	4.70	5.30	5.00		150.00	
188	217.5		Sqm	1	30.00	5.95	5.00	5.48		164.40	
218	239.5		Sqm	1	22.00	5.00	4.70	4.85		106.70	
			Sqm	1	7.60	2.20	2.20	2.20		16.72	
									TOTAL	1964.98	

Contractor

1/4/23

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 12		Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates									
Measurements Taken On :											
		Jakkuru Under Pass Road									
0	15		Cum	1	15.00	6.80	9.70	8.25	0.15	18.56	
15	30		Cum	1	15.00	9.70	9.30	9.50	0.15	21.38	
30	45		Cum	1	15.00	9.30	8.90	9.10	0.15	20.48	
45	53.1		Cum	1	8.10	8.90	11.70	10.30	0.15	12.51	
53.1	63.7		Cum	1	10.60	8.20	8.20	8.20	0.15	13.04	
		Jakkuru Smasana									
			Cum	1	8.10	9.15	9.15	9.15	0.15	11.12	
			Cum	1	11.70	9.00	9.00	9.00	0.15	15.80	
			Cum	1	8.20	10.40	10.40	10.40	0.15	12.79	
			Cum	1	4.00	3.40	3.40	3.40	0.15	2.04	
		Srirampura Govt School opp Cross Road									
0	6.1		Cum	1	6.10	10.50	10.50	10.50	0.15	9.61	
0	15		Cum	1	15.00	5.80	5.10	5.45	0.15	12.26	
15	30		Cum	1	15.00	5.10	4.50	4.80	0.15	10.80	
30	45		Cum	1	15.00	4.50	4.60	4.55	0.15	10.24	
45	57.8		Cum	1	12.80	4.60	4.70	4.65	0.15	8.93	
57.8	64		Cum	1	6.20	3.00	2.30	2.65	0.15	2.46	
		Deduction									
		Column	Cum	-1	1.20	1.20	1.20	1.20	0.15	-0.22	
		water tank	Cum	-1	2.20	2.20	2.20	2.20	0.15	-0.73	
									TOTAL	181.07	

Contractor

30/04/2014

Assistant Engineer

Assistant Executive Engineer

30/04

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.16		Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Qty vide From Item No 02+04	Cum		433.30					433.30	
									TOTAL	433.30	

Contractor

Assistant Engineer

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ Assistant Executive Engineer

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

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PREMEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.17		Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km and as per the direction of Engineer in charge of the work.									
Measurements Taken On :											
		Qty vide From Item No 16	t.km		433.30		1.28			554.62	
									TOTAL	554.62	

Contractor

ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Assistant Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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